

1990 sequence listing
SEQUENCE LISTING

<110> Novartis
<120> Expression of trehalose biosynthetic genes in plants
<130> trehalose
<140>
<141>
<150> CGC1990/PROV
<151> 1998-03-11
<160> 38
<170> PatentIn Ver. 2.0
<210> 1
<211> 37
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:
oligonucleotide
<400> 1
gtcagccatg gcaagtcgtt tagtcgtagt atctaac 37
<210> 2
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:
oligonucleotide
<400> 2
gcaaattggca acaggtgata atcg 24
<210> 3
<211> 33
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:
oligonucleotide
<400> 3
gtcagccatg gtcacagaac cgттаaccga aac 33
<210> 4
<211> 24
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:
oligonucleotide

1990 sequence listing

<400> 4
gtgCGTcaag ctccaccatt gagc 24

<210> 5
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 5
taacggccgc gcccaatcat tccggata 28

<210> 6
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 6
taactgcaga aagaaggccc ggctccaa 28

<210> 7
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 7
cgctgcagt cgactatta cggatatg 28

<210> 8
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 8
cgccgtacga aatccttccc gatacctc 28

<210> 9
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 9
gccagaattc gccgtcgttc aatgagaatg 30

1990 sequence listing

<210> 10
 <211> 45
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 10
 gccttcatga tccctcccta caactatcca ggcgcttcag attcg 45

 <210> 11
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 11
 cgcgactagt tcaaccgaaa ttcaat 26

 <210> 12
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 12
 cgctctgcag ttcaatggaa gcaatg 26

 <210> 13
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 13
 accgtaaggc ttgatgaa 18

 <210> 14
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 14
 cccactagtt tgaacgaatt gttagac 27

 <210> 15
 <211> 26
 <212> DNA

1990 sequence listing

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide

<400> 15
cccgaattca tcccgcgaaa ttaata 26

<210> 16
<211> 33
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide

<400> 16
cggccatggg tatatctcct tcttaaagtt aaa 33

<210> 17
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide

<400> 17
gcgaagcttg ctgagcaata actagcataa 30

<210> 18
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide

<400> 18
gcgctgcagt ccgatatag ttcctcct 28

<210> 19
<211> 31
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligonucleotide

<400> 19
gcgactagtt agtgtagtc taaatctagt t 31

<210> 20
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

1990 sequence listing

<223> Description of Artificial Sequence:
oligonucleotide

<400> 20
ccgcaagctt ctaataaaaa atatatagta 30

<210> 21
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 21
ctagtggggg gggggggggg ggga 24

<210> 22
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 22
agcttcccc ccccccccc ccca 24

<210> 23
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 23
tgaccatggc aagtcgttta gtcgtagt 28

<210> 24
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 24
agcaacgctt catag 15

<210> 25
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

1990 sequence listing

<400> 25
gcgttcctgg attgtc 16

<210> 26
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 26
gggtctagag attcacgcga gctttggaaa ggtagca 37

<210> 27
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 27
gtcgccatgg tgacagaacc gttaacc 27

<210> 28
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 28
gttcgcccga taaaggag 19

<210> 29
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 29
tagcgcaacg tattactc 18

<210> 30
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligonucleotide

<400> 30
gcctctagac tcatcattag atactacgac taaac 35

1990 sequence listing

<210> 31
 <211> 67
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 31
 ctagtgggag accacaacgg tttccctcta gaaataattt tgtttaagtt taagaagggg 60
 agagaat 67

 <210> 32
 <211> 67
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 32
 catgattctc tccccttctt aaacttaaac aaaattattt ctagagggaa accgttgtgg 60
 tctcca 67

 <210> 33
 <211> 31
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 33
 gcggaattca tacttattta tcattagaaa g 31

 <210> 34
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 34
 gcgccatggt aaatgaaaga aagaactaaa 30

 <210> 35
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 35
 gcgtctagat caaccgaaat tcaattaagg 30

 <210> 36

1990 sequence listing

<211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 36
 cgcaagcttc aatggaagca atgataa 27

 <210> 37
 <211> 28
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 37
 catggcttcc tcagttcttt cctctgca 28

 <210> 38
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Description of Artificial Sequence:
 oligonucleotide

 <400> 38
 gaggaaagaa ctgaggaagc 20

Case S-30427/A/CGC1990

1

3